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APPLICATION NO). F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/018,463		04/10/2002 Takeshi Katsuhira		46/160	1777	
20736	7590	06/20/2003				
		ON & SELTER	EXAMINER			
2000 M STREET NW SUITE 700 WASHINGTON, DC 20036-3307				навте, к	HABTE, KAHSAY	
				ART UNIT	PAPER NUMBER	
				1624		
				DATE MAILED: 06/20/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/018,463	KATSUHIRA ET AL.					
Office Action Summary	Examiner	Art Unit					
	Kahsay Habte, Ph. D.	1624					
The MAILING DATE of this c mmunication ap		correspondence address					
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut - Any reply received by the Office later than three months after the mailir - earned patent term adjustment. See 37 CFR 1.704(b). Status		imely filed bys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).					
1) Responsive to communication(s) filed on	<u> </u>						
,—	his action is non-final.	· .					
3) Since this application is in condition for allow closed in accordance with the practice under	vance except for formal matters, p r Ex parte Quayle, 1935 C.D. 11,	prosecution as to the merits is 453 O.G. 213.					
Disposition of Claims		•					
4)⊠ Claim(s) <u>1-7</u> is/are pending in the application		•					
4a) Of the above claim(s) is/are withdra	awn from consideration.						
5) Claim(s) is/are allowed.		,					
6) Claim(s) is/are rejected.							
7) Claim(s) is/are objected to.	ala atian waxu iramant						
8)⊠ Claim(s) <u>1-7</u> are subject to restriction and/or € Application Papers	election requirement.						
9) The specification is objected to by the Examine	er.						
10) ☐ The drawing(s) filed on is/are: a) ☐ acce		aminer.					
Applicant may not request that any objection to the							
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
If approved, corrected drawings are required in reply to this Office action.							
12) The oath or declaration is objected to by the E	xaminer.						
Priority under 35 U.S.C. §§ 119 and 120							
13) Acknowledgment is made of a claim for foreig	gn priority under 35 U.S.C. § 119((a)-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documen	its have been received.						
2. Certified copies of the priority documen	nts have been received in Applica	tion No					
 3. Copies of the certified copies of the price application from the International B * See the attached detailed Office action for a lis 	ureau (PCT Rule 17.2(a)).						
14) Acknowledgment is made of a claim for domes	tic priority under 35 U.S.C. § 119	(e) (to a provisional application).					
a) The translation of the foreign language pr							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ary (PTO-413) Paper No(s) I Patent Application (PTO-152)					
S. Patent and Trademark Office							

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DETAILED ACTION

Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1** - **B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is diazine (i.e. **Q5** - **Q10**).

Group II, claim(s) 1 (in part), 2-5 and 6-7 (in part), drawn to tetrazines (**B1 - B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is monoazine (i.e. **Q1 - Q4**).

Group III, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1 - B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is diazoles (i.e. **Q14 - Q19**).

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Group IV, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1** - **B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is oxazole/thiazole (i.e. **Q14** - **Q19**).

Group V, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1 - B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is pyrroles (i.e. **Q11 - Q13**).

Group VI, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1** - **B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is thiophene/furan (i.e. **Q11** - **Q13**).

Group VII, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1 - B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is triazole (i.e. **Q20 - Q22**).

Group VIII, claim(s) 1 (in part) and 6-7 (in part), drawn to tetrazines (**B1 - B4** in formula (**I**) are all nitrogens) and triazines (three of B1-B4 are nitrogens) and **Het** in formula (**I**) is oxadiazole/thiadiazole (i.e. **Q20 - Q22**).

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Group IX, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1 - B4** in formula (**I**) are nitrogens and the rest are carbons) and **Het** in formula (**I**) is diazine (i.e. **Q5 - Q10**).

Group X, claim(s) 1 (in part), 2-5 and 6-7 (in part), drawn to diazines (two of **B1 - B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is monoazine (i.e. Q1 - Q4).

Group XI, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1 - B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is diazoles (i.e. **Q14 - Q19**).

Group XII, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1** - **B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is oxazole/thiazole (i.e. **Q14** - **Q19**).

Group XIII, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1** - **B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is pyrroles (i.e. **Q11** - **Q13**).

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Group XIV, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1** - **B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is thiophene/furan (i.e. **Q11** - **Q13**).

Group XV, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1 - B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is triazole (i.e. **Q20 - Q22**).

Group XVI, claim(s) 1 (in part) and 6-7 (in part), drawn to diazines (two of **B1 - B4** in formula (I) are nitrogens and the rest are carbons) and **Het** in formula (I) is oxadiazole/thiadiazole (i.e. **Q20 - Q22**).

Group XVII, claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1 - B4** in formula (I) is nitrogen and the rest are carbons) and **Het** in formula (I) is diazine (i.e. **Q5 - Q10**).

Group XVIII, claim(s) 1 (in part), 2-5 and 6-7 (in part), drawn to monoazines (one of **B1** - **B4** in formula (**I**) is nitrogen and the rest are carbons) and **Het** in formula (**I**) is monoazine (i.e. **Q1** – **Q4**).

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Group XIX, claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1 - B4** in formula (I) is nitrogen and the rest are carbons) and **Het** in formula (I) is diazoles (i.e. **Q14 - Q19**).

Group XX claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1 - B4** in formula (I) is nitrogen and the rest are carbons) and **Het** in formula (I) is oxazole/thiazole (i.e. **Q14 - Q19**).

Group XXI, claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1** - **B4** in formula (I) is nitrogen and the rest are carbons) and **Het** in formula (I) is pyrroles (i.e. **Q11** - **Q13**).

Group XXII, claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1 - B4** in formula (I) is nitrogen and the rest are carbons) and **Het** in formula (I) is thiophene/furan (i.e. **Q11 - Q13**).

Group XXIII, claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1 - B4** in formula (I) is nitrogen and the rest are carbons) and **Het** in formula (I) is triazole (i.e. **Q20 - Q22**).

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Group XXIV, claim(s) 1 (in part) and 6-7 (in part), drawn to monoazines (one of **B1 - B4** in formula (**I**) is nitrogen and the rest are carbons) and **Het** in formula (**I**) is oxadiazole/thiadiazole (i.e. **Q20 - Q22**).

Group XXV, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and Het in formula (I) is diazine (i.e. Q5 - Q10).

Group XXVI, claim(s) 1 (in part), 2-5 and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and Het in formula (I) is monoazine (i.e. Q1 – Q4).

Group XXVII, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and Het in formula (I) is diazoles (i.e. Q14 - Q19).

Group XXVIII, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and Het in formula (I) is oxazole/thiazole (i.e. Q14 - Q19).

Group XXIX, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (**B1 - B4** in formula (**I**) are all carbons) and **Het** in formula (**I**) is pyrroles (i.e. **Q11 - Q13**).

Group XXX, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and Het in formula (I) is thiophene/furan (i.e. Q11 - Q13).

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Group XXXI, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and **Het** in formula (I) is triazole (i.e. **Q20** – **Q22**).

Group XXXII, claim(s) 1 (in part) and 6-7 (in part), drawn to phenyl (B1 - B4 in formula (I) are all carbons) and Het in formula (I) is oxadiazole/thiadiazole (i.e. Q20 – Q22).

- The inventions listed as Groups I-XXXII do not relate to a single general inventive 2. concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of each group is the different combinations of rings. The "Het" and right hand side ring with variables B1-B4 have different technical feature. The only common structural feature is two unconnected C-N fragments and not responsible for the overall activity. .
- A telephone call was made to Mr. Paul White on June 18, 2003 to request an oral 3. election to the above restriction requirement, but did not result in an election being made.

Applicants requested a written restriction requirement.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

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Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kahsay Habte, Ph. D. whose telephone number is (703) 308-4717. The examiner can normally be reached on M-F (9.00AM- 5:30PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mukund Shah can be reached on 703-308-4716. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-4556.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1235.

Kahsay Habte, Ph. D.

Examiner

Art Unit 1624

KH June 19, 2003 Mark L. Berch

Primary Examiner

Art Unit 1624